

PREScore 4.0
NPL Characteristics Data Collection Form

Record Information

1. Site Name: SPRING LAKE PCB CONTAMINATION
(as entered in CERCLIS)
2. Site CERCLIS Number: NJSFN0204213
3. Site Reviewer: DONNA J. VAN VELDHUISEN
4. Date: 6-22-99
5. Site Location: SOUTH PLAINFIELD, MIDDLESEX CO., NJ
(City/County,State)
6. Congressional District:
7. Site Coordinates: Multiple
Latitude: 40°35'00. Longitude: 074°24'43.

Site Description

1. Setting: Suburban
2. Current Owner: County
3. Current Site Status: Site with Unknown Source
4. Years of Operation: Unknown
5. How Initially Identified: Other Federal Program
6. Entity Responsible for Waste Generation:
 - Unknown
7. Site Activities/Waste Deposition:
 - Unknown

Waste Description

235441



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8. Wastes Deposited or Detected Onsite:

- Pesticides/Herbicides
- PCBs

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Response Actions

9. Response/Removal Actions:

- Other Emergency Action Has Occurred

RCRA Information

10. For All Active Facilities, RCRA Site Status:

- Not Applicable

Demographic Information

11. Workers Present Onsite: Yes

12. Distance to Nearest Non-Worker Individual: > 10 Feet - 1/4 Mile

13. Residential Population Within 1 Mile: 11911.0

14. Residential Population Within 4 Miles: 180773.0

Water Use Information

15. Local Drinking Water Supply Source:

- Ground Water (within 4 mile distance limit)

16. Total Population Served by Local Drinking Water Supply Source: 97053.0

17. Drinking Water Supply System Type for Local Drinking
Water Supply Sources:

- Municipal (Services over 25 People)

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18. Surface Water Adjacent to/Draining Site:

- Stream
- Contaminated Stream
- Lake
- Contaminated Lake

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HRS DOCUMENTATION RECORD

1. Site Name: SPRING LAKE PCB CONTAMINATION
(as entered in CERCLIS)
2. Site CERCLIS Number: NJSFN0204213
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(City/County,State)
6. Congressional District:
7. Site Coordinates: Multiple
Latitude: 40°35'00. Longitude: 074°24'43.

	Score
Ground Water Migration Pathway Score (Sgw)	0.00
Surface Water Migration Pathway Score (Ssw)	0.00
Soil Exposure Pathway Score (Ss)	0.00
Air Migration Pathway Score (Sa)	0.00

Site Score	0.00
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NOTE

Site names, and references to specific parcels or properties, are provided for general identification purposes only. Knowledge regarding the extent of sites will be refined as more information is developed during the RI/FS and even during implementation of the remedy.

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GROUND WATER MIGRATION PATHWAY SCORESHEET

GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: PASSAIC FORMATION		
1. Observed Release	550	0
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	3
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	430
3. Likelihood of Release	550	430
Waste Characteristics		
4. Toxicity/Mobility	*	0.00E+00
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	0
Targets		
7. Nearest Well	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	2.64E+03
8d. Population (lines 8a+8b+8c)	**	2.64E+03
9. Resources	5	0.00E+00
10. Wellhead Protection Area	20	5.00E+00
11. Targets (lines 7+8d+9+10)	**	2.66E+03
12. Targets (including overlaying aquifers)	**	2.66E+03
13. Aquifer Score	100	0.00
GROUND WATER MIGRATION PATHWAY SCORE (Sgw)	100	0.00

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

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SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release by Overland Flow		
2a. Containment	10	10
2b. Runoff	25	1
2c. Distance to Surface Water	25	25
2d. Potential to Release by Overland Flow [lines 2a(2b+2c)]	500	260
3. Potential to Release by Flood		
3a. Containment (Flood)	10	10
3b. Flood Frequency	50	25
3c. Potential to Release by Flood (lines 3a x 3b)	500	250
4. Potential to Release (lines 2d+3c)	500	500
5. Likelihood of Release	550	500
Waste Characteristics		
6. Toxicity/Persistence	*	0.00E+00
7. Hazardous Waste Quantity	*	10
8. Waste Characteristics	100	0
Targets		
9. Nearest Intake	50	0.00E+00
10. Population		
10a. Level I Concentrations	**	0.00E+00
10b. Level II Concentrations	**	0.00E+00
10c. Potential Contamination	**	0.00E+00
10d. Population (lines 10a+10b+10c)	**	0.00E+00
11. Resources	5	0.00E+00
12. Targets (lines 9+10d+11)	**	0.00E+00
13. DRINKING WATER THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
 ** Maximum value not applicable.

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SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
14. Likelihood of Release (same as line 5)	550	500
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation	*	0.00E+00
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	1000	0
Targets		
18. Food Chain Individual	50	2.00E+00
19. Population		
19a. Level I Concentrations	**	0.00E+00
19b. Level II Concentrations	**	0.00E+00
19c. Pot. Human Food Chain Contamination	**	6.00E-03
19d. Population (lines 19a+19b+19c)	**	6.00E-03
20. Targets (lines 18+19d)	**	2.01E+00
21. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
 ** Maximum value not applicable.

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SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
22. Likelihood of Release (same as line 5)	550	500
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc.	*	0.00E+00
24. Hazardous Waste Quantity	*	10
25. Waste Characteristics	1000	0
Targets		
26. Sensitive Environments		
26a. Level I Concentrations	**	0.00E+00
26b. Level II Concentrations	**	0.00E+00
26c. Potential Contamination	**	1.00E+01
26d. Sensitive Environments (lines 26a+26b+26c)	**	1.00E+01
27. Targets (line 26d)	**	1.00E+01
28. ENVIRONMENTAL THREAT SCORE	60	0.00
29. WATERSHED SCORE	100	0.00
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	0.00

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

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SOIL EXPOSURE PATHWAY SCORESHEET

SOIL EXPOSURE PATHWAY Factor Categories & Factors RESIDENT POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
1. Likelihood of Exposure	550	0
Waste Characteristics		
2. Toxicity	*	0.00E+00
3. Hazardous Waste Quantity	*	0
4. Waste Characteristics	100	0
Targets		
5. Resident Individual	50	0.00E+00
6. Resident Population		
6a. Level I Concentrations	**	0.00E+00
6b. Level II Concentrations	**	0.00E+00
6c. Resident Population (lines 6a+6b)	**	0.00E+00
7. Workers	15	0.00E+00
8. Resources	5	0.00E+00
9. Terrestrial Sensitive Environments	***	0.00E+00
10. Targets (lines 5+6c+7+8+9)	**	0.00E+00
11. RESIDENT POPULATION THREAT SCORE	**	0.00E+00

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

*** No specific maximum value applies, see HRS for details.

PREScore 4.0
SOIL EXPOSURE PATHWAY SCORESHEET

SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility	100	0.00E+00
13. Area of Contamination	100	0.00E+00
14. Likelihood of Exposure	500	0.00E+00
Waste Characteristics		
15. Toxicity	*	0.00E+00
16. Hazardous Waste Quantity	*	0
17. Waste Characteristics	100	0
Targets		
18. Nearby Individual	1	1.00E+00
19. Population Within 1 Mile	**	7.00E+00
20. Targets (lines 18+19)	**	8.00E+00
21. NEARBY POPULATION THREAT SCORE	**	0.00E+00
SOIL EXPOSURE PATHWAY SCORE (Ss)	100	0.00

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

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AIR PATHWAY SCORESHEET

AIR MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release		
2a. Gas Potential to Release	500	0
2b. Particulate Potential to Release	500	0
2c. Potential to Release	500	0
3. Likelihood of Release	550	0
Waste Characteristics		
4. Toxicity/Mobility	*	0.00E+00
5. Hazardous Waste Quantity	*	0
6. Waste Characteristics	100	0
Targets		
7. Nearest Individual	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	7.60E+01
8d. Population (lines 8a+8b+8c)	**	7.60E+01
9. Resources	5	0.00E+00
10. Sensitive Environments		
10a. Actual Contamination	***	0.00E+00
10b. Potential Contamination	***	2.00E+00
10c. Sens. Environments (lines 10a+10b)	***	2.00E+00
11. Targets (lines 7+8d+9+10c)	**	9.80E+01
AIR MIGRATION PATHWAY SCORE (Sa)	100	0.00E+00

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

*** No specific maximum value applies, see HRS for details.

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WASTE QUANTITY

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: CONTAM SEDS

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

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WASTE QUANTITY

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		CONTAM SEDS	
b. Source Type		Contaminated Soil	
c. Secondary Source Type		N.A.	
d. Source Vol. (yd3/gal)	Source Area (ft2)	0.00	37000.00
e. Source Volume/Area Value		1.09E+00	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		1.09E+00	

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WASTE QUANTITY

3. SITE HAZARDOUS WASTE QUANTITY SUMMARY

No.	Source ID	Migration Pathways	Vol. or Area Value (2e)	Constituent or Wastestream Value (2f,2h)	Hazardous Waste Qty. Value (2k)
1	CONTAM SEDS	GW-SW-SE	1.09E+00	0.00E+00	1.09E+00

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WASTE QUANTITY

4. PATHWAY HAZARDOUS WASTE QUANTITY AND WASTE CHARACTERISTICS SUMMARY TABLE

Migration Pathway	Contaminant Values	HWQVs*	WCVs**
Ground Water	Toxicity/Mobility 0.00E+00	10	0
SW: Overland Flow, DW	Tox./Persistence 0.00E+00	10	0
SW: Overland Flow, HFC	Tox./Persis./Bioacc. 0.00E+00	10	0
SW: Overland Flow, Env	Etox./Persis./Bioacc. 0.00E+00	10	0
SW: GW to SW, DW	Tox./Persistence 0.00E+00	10	0
SW: GW to SW, HFC	Tox./Persis./Bioacc. 0.00E+00	10	0
SW: GW to SW, Env	Etox./Persis./Bioacc. 0.00E+00	10	0
Soil Exposure:Resident	Toxicity 0.00E+00	0	0
Soil Exposure: Nearby	Toxicity 0.00E+00	0	0
Air	Toxicity/Mobility 0.00E+00	0	0

* Hazardous Waste Quantity Factor Values

** Waste Characteristics Factor Category Values

Note: SW = Surface Water
 GW = Ground Water
 DW = Drinking Water Threat
 HFC = Human Food Chain Threat
 Env = Environmental Threat

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GROUND WATER PATHWAY AQUIFER SUMMARY

No.	Aquifer ID	Type	Overlaying No.	Inter- Connected with	Likelihood of Release	Targets
1	PASSAIC FORMATION	Non K	0	0	430	2.66E+03

Containment

No.	Source ID	HWQ Value	Containment Value
1	CONTAM SEDS	1.09E+00	10

=====
Containment Factor 10

Net Precipitation

Net Precipitation (inches) 11.00

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GROUND WATER PATHWAY LIKELIHOOD OF RELEASE PASSAIC FORMATION AQUIFER

Aquifer: PASSAIC FORMATION

Type of Aquifer: Non Karst

Overlaying Aquifer: 0

Interconnected with: 0

OBSERVED RELEASE

No.	Well ID	Well Type	Distance (miles)	Level of Contamination
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- N/A and/or data not specified

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Observed Release Factor

0

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GROUND WATER PATHWAY LIKELIHOOD OF RELEASE PASSAIC FORMATION AQUIFER

POTENTIAL TO RELEASE

Containment

Containment Factor	10
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Net Precipitation

Net Precipitation Factor	3
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Depth to Aquifer

A. Depth of Hazardous Substances	1.00	feet
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B. Depth to Aquifer from Surface	10.00	feet
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C. Depth to Aquifer (B - A)	9.00	feet
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Depth to Aquifer Factor	5
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Travel Time

Are All Layers Karst?	NO
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Thickness of Layer(s) with Lowest Conductivity	10.00	feet
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Hydraulic Conductivity (cm/sec)	1.0E-04
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Travel Time Factor	35
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Potential to Release Factor	430
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GROUND WATER PATHWAY WASTE CHARACTERISTICS

Source: 1 CONTAM SEDS

Source Hazardous Waste Quantity Value: 1.09

Hazardous Substance	Toxicity Value	Mobility Value	Toxicity/ Mobility Value
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GROUND WATER PATHWAY WASTE CHARACTERISTICS

Hazardous Substances Found in an Observed Release

Well No.	Observed Release Hazardous Substance	Toxicity Value	Mobility Value	Toxicity/ Mobility Value
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- N/A and/or data not specified

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GROUND WATER PATHWAY TARGETS FOR AQUIFER PASSAIC FORMATION

Toxicity/Mobility Value from Source Hazardous Substances:	0.00E+00
Toxicity/Mobility Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Mobility Factor:	0.00E+00
Sum of Source Hazardous Waste Quantity Values:	1.09E+00
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	0

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GROUND WATER PATHWAY TARGETS FOR AQUIFER PASSAIC FORMATION

Population by Well

No.	Well ID	Sample Type	Distance (miles)	Level of Contamination Population
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- N/A and/or data not specified

Level I Population Factor: 0.00

Level II Population Factor: 0.00

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GROUND WATER PATHWAY TARGETS FOR AQUIFER PASSAIC FORMATION

Potential Contamination by Distance Category

Distance Category (miles)	Population	Value
> 0 to 1/4	8823.0	5.21E+02
> 1/4 to 1/2	2941.0	1.01E+02
> 1/2 to 1	47056.0	1.67E+03
> 1 to 2	5882.0	9.39E+01
> 2 to 3	23528.0	2.12E+02
> 3 to 4	8823.0	4.17E+01

Potential Contamination Factor: 2639.000

Nearest Well

Level of Contamination: Potential
Distance in miles: 0.02

Nearest Well Factor: 2.00E+01

Resources

Resource Use: NO

Resource Factor: 0.00E+00

Wellhead Protection Area

There is a designated wellhead protection area

Wellhead Protection Area Factor: 5.00E+00

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SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE

No.	Segment ID	Segment Type	Water Type	Start Point (mi)	End Point (mi)	Average Flow (cfs)
1	CEDAR BROOK	River	Fresh	0.00	0.00	10
2	SPRING LAKE	Lake	Fresh	0.00	0.40	0
3	BOUND BROOK	River	Fresh	0.40	3.00	30
4	NEW MARKET POND	Lake	Fresh	3.00	4.00	0
5	BOUND BROOK	River	Fresh	4.00	6.90	50
6	GREEN BROOK	River	Fresh	6.90	9.50	50
7	RARITAN RIVER	River	Fresh	9.50	15.00	150

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SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE

OBSERVED RELEASE

No. Sample ID	Sample Type	Distance (miles)	Level of Contamination		
			DW	HFC	Env

- N/A and/or data not specified

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Observed Release Factor	0
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SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE

POTENTIAL TO RELEASE

Potential to Release by Overland Flow

Containment

No.	Source ID	HWQ Value	Containment Value
1	CONTAM SEDS	1.09E+00	10

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Containment Factor: 10

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SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE

Distance to Surface Water

Distance to Surface Water: 0.0 feet

Distance to Surface Water Factor: 25

Runoff

A. Drainage Area: 10.0 acres

B. 2-year, 24-hour Rainfall: 3.2 inches

C. Soil Group: B
Medium-textured soils with moderate infiltration rates

Runoff Factor: 1

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Potential to Release by Overland Flow Factor: 260

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SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE

Potential to Release by Flood

No.	Source ID	HWQ Value	Flood Containment Value	Flood Frequency Value	Potential to Release by Flood
1	CONTAM SEDS	1.09E+00	10	25	250

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Potential to Release by Flood Factor: 250

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SW PATHWAY: OVERLAND/FLOOD DRINKING WATER THREAT WASTE CHARACTERISTICS

Source: 1 CONTAM SEDS

Source Hazardous Waste Quantity Value: 1.09

Hazardous Substance	Toxicity Value	Persistence Value	Toxicity/ Persistence Value
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SW PATHWAY: OVERLAND/FLOOD DRINKING WATER THREAT WASTE CHARACTERISTICS

Hazardous Substances Found in an Observed Release

Sample No.	Observed Release Hazardous Substance	Toxicity Value	Persistence Value	Toxicity/ Persistence Value
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- N/A and/or data not specified

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SW PATHWAY: OVERLAND/FLOOD DRINKING WATER THREAT WASTE CHARACTERISTICS

Toxicity/Persistence Value from Source Hazardous Substances:	0.00E+00
Toxicity/Persistence Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Persistence Factor:	0.00E+00
Sum of Source Hazardous Waste Quantity Values:	1.09E+00
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	0

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SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS

Level I Concentrations

- N/A and/or data not specified

Level II Concentrations

- N/A and/or data not specified

Most Distant Level I Sample

- N/A and/or data not specified

Most Distant Level II Sample

- N/A and/or data not specified

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SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS

Level I Concentrations

Intake	Distance Along the In-water Segment from the Probable Point of Entry (miles)	Population
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- N/A and/or data not specified

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Population Served by Level I Intakes: 0.0

Level I Population Factor: 0.00E+00

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SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS

Level II Concentrations

Intake	Distance Along the In-water Segment from the Probable Point of Entry (miles)	Population
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- N/A and/or data not specified

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Population Served by Level II Intakes: 0.0

Level II Population Factor: 0.00E+00

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SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS

Potential Contamination

Intake ID	Average Annual Flow (cfs)	Population Served
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- N/A and/or data not specified

Type of Surface Water Body	Total Population	Dilution-Weighted Population
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- N/A and/or data not specified

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Dilution-Weighted Population Served by Potentially Contaminated Intakes:	0.0
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Potential Contamination Factor:	0.0
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Nearest Intake

Location of Nearest Drinking Water Intake: N.A.

Nearest Intake Factor: 0.00

Resources

Resource Use: NO

Resource Value: 0.00E+00

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SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS

Source: 1 CONTAM SEDS

Source Hazardous Waste Quantity Value: 1.09

Hazardous Substance	Toxicity Value	Persistence Value	Bio- accum. Value	Toxicity/ Persistence/ Bioaccum. Value
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SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS

Hazardous Substances Found in an Observed Release

Sample No.	Observed Release Hazardous Substance	Toxicity Value	Persistence Value	Bio- accum. Value	Toxicity/ Persistence/ Bioaccum. Value
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- N/A and/or data not specified

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SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS

Toxicity/Persistence/Bioaccumulation Value from Source Hazardous Substances:	0.00E+00
Toxicity/Persistence/Bioaccumulation Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Persistence/Bioaccumulation Factor:	0.00E+00
Sum of Source Hazardous Waste Quantity Values:	1.09E+00
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	0

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SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS

Level I Concentrations

- N/A and/or data not specified

Level II Concentrations

- N/A and/or data not specified

Most Distant Level I Sample

- N/A and/or data not specified

Most Distant Level II Sample

- N/A and/or data not specified

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SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS

Level I Concentrations

Fishery	Annual Production (pounds)	Human Food Chain Population Value
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- N/A and/or data not specified

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Sum of Human Food Chain Population Values: 0.00E+00

Level I Concentrations Factor: 0.00E+00

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SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS

Level II Concentrations

Fishery	Annual Production (pounds)	Human Food Chain Population Value
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- N/A and/or data not specified

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Sum of Human Food Chain Population Values: 0.00E+00

Level II Concentrations Factor: 0.00E+00

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SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS

Potential Contamination

Fishery	Annual Production (pounds)	Type of Surface Water Body	Average Annual Flow (cfs)	Pop. Value (Pi)	Dilution Weight (Di)	Pi*Di
6 GREEN BROOK	500.0	River	50	0.3	1.00E-01	3.00E-02
7 RARITAN RIVER	1000.0	River	150	3.0	1.00E-02	3.00E-02

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Sum of (Pi*Di): 6.00E-02

Potential Human Food Chain Contamination Factor: 6.00E-03

Food Chain Individual

Location of Nearest Fishery: GREEN BROOK
 Distance from the Probable Point of Entry: 6.90 miles
 Type of Surface Water Body: River
 Dilution Weight: 0.1000000
 Level of Contamination: Potential

Food Chain Individual Factor: 2.00

PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS

Source: 1 CONTAM SEDS

Source Hazardous Waste Quantity Value: 1.09

Hazardous Substance	Eco- toxicity Value	Persistence Value	Bio- accum. Value	Ecotoxicity/ Persistence/ Bioaccum. Value
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PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS

Hazardous Substances Found in an Observed Release

Sample No.	Observed Release Hazardous Substance	Eco- toxicity Value	Persistence Value	Bio- accum. Value	Ecotoxicity/ Persistence/ Bioaccum. Value
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- N/A and/or data not specified

PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS

Ecotoxicity/Persistence/Bioaccumulation Value from Source Hazardous Substances:	0.00E+00
Ecotoxicity/Persistence/Bioaccumulation Value from Observed Release Hazardous Substances:	0.00E+00
Ecotoxicity/Persistence/Bioaccumulation Factor:	0.00E+00
Sum of Source Hazardous Waste Quantity Values:	1.09E+00
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	0

PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS

Level I Concentrations

- N/A and/or data not specified

Level II Concentrations

- N/A and/or data not specified

Most Distant Level I Sample

- N/A and/or data not specified

Most Distant Level II Sample

- N/A and/or data not specified

PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS

Level I Concentrations

Sensitive Environment	Distance from Probable Point of Entry to Sensitive Env. (miles)	Sensitive Environment Value
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- N/A and/or data not specified

Sum of Sensitive Environments Values: 0

Wetlands

Wetland	Distance from Probable Point of Entry to Wetland (miles)	Wetlands Frontage (miles)
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- N/A and/or data not specified

Total Wetlands Frontage: 0.00 Miles Total Wetlands Value: 0

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Sum of Sensitive Environments Value + Wetlands Value: 0.00E+00

Level I Concentrations Factor: 0.00E+00

PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS

Level II Concentrations

Sensitive Environment	Distance from Probable Point of Entry to Sensitive Env. (miles)	Sensitive Environment Value
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- N/A and/or data not specified

Sum of Sensitive Environments Values: 0

Wetlands

Wetland	Distance from Probable Point of Entry to Wetland (miles)	Wetlands Frontage (miles)
---------	--	------------------------------

- N/A and/or data not specified

Total Wetlands Frontage: 0.00 Miles Total Wetlands Value: 0

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Sum of Sensitive Environments Value + Wetlands Value: 0.00E+00

Level II Concentrations Factor: 0.00E+00

PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS

Potential ContaminationSensitive Environments

Type of Surface Water Body	Sensitive Environment	Sensitive Environment Value
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Wetlands

Type of Surface Water Body	Sensitive Environment	Wetlands Frontage	Wetlands Value
River	3 WETLANDS	3.50	100
River	4 WETLANDS	5.00	150
River	5 WETLANDS	10.00	250

PREScore 4.0

SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS

Type of Surface Water Body	Sum of Sens. Environment Values(Sj)	Sum of Wetland Frontage Values(Wj)	Dilution Weight (Dj)	Dj(Wj+Sj)
Small to Moderate Stream	0	450	1.00E-01	4.50E+01

Sum of Dj(Wj+Sj): 4.50E+01
Sum of Dj(Wj+Sj)/10: 4.50E+00

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Potential Contamination Sensitive Environment Factor: 1.00E+01

PREScore 4.0
 Source Hazardous Waste Quantity Value: %4.2lf

Likelihood of Exposure

No.	Source ID	Level of Contamination
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	- N/A and/or data not specified	
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Likelihood of Exposure Factor: 0

PREScore 4.0

Source Hazardous Waste Quantity Value: %4.2lf

Hazardous
Substance

Toxicity
Value

PREScore 4.0
 Source Hazardous Waste Quantity Value: %4.2lf

Toxicity Factor:	0.00E+00
Sum of Source Hazardous Waste Quantity Values:	0.00E+00
Hazardous Waste Quantity Factor:	0
Waste Characteristics Factor Category:	0

PREScore 4.0

SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT LIKELIHOOD OF EXPOSURE

Targets

Level I Population:	0.0	Value:	0.00
Level II Population:	0.0	Value:	0.00
Workers:	5.0	Value:	0.00
Resident Individual:	Potentia	Value:	0.00
Resources:	NO	Value:	0.00

Terrestrial Sensitive Environment	Value
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- N/A and/or data not specified

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Terrestrial Sensitive Environments Factor: 0.00

PREScore 4.0

SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT LIKELIHOOD OF EXPOSURE

Likelihood of Exposure

No. Source ID	Level of Contamination	Attractiveness/ Accessibility	Area of Contam. (sq. feet)
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- N/A and/or data not specified

Highest Attractiveness/Accessibility Value: 0

Sum of Eligible Areas Of Contamination (sq. feet): 0

Area of Contamination Value: 0

Likelihood of Exposure Factor Category: 0

PREScore 4.0

SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT LIKELIHOOD OF EXPOSURE

Hazardous
Substance

Toxicity
Value

PREScore 4.0

SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT TARGETS

Toxicity Factor:	0.00E+00
Sum of Source Hazardous Waste Quantity Values:	0.00E+00
Hazardous Waste Quantity Factor:	0
Waste Characteristics Factor Category:	0

PREScore 4.0
SOIL EXPOSURE PATHWAY NEARBY POPULATION THREAT TARGETS

Nearby Individual

Population within 1/4 mile: 813.0

Nearby Individual Value: 1.0

Population Within 1 Mile

Travel Distance Category	Number of People	Value
> 0 to 1/4 mile	813.0	1.3
> 1/4 to 1/2 mile	2019.0	2.0
> 1/2 to 1 mile	9079.0	3.3
Population Within 1 Mile Factor:		7.0

PREScore 4.0
AIR PATHWAY LIKELIHOOD OF RELEASE

OBSERVED RELEASE

No.	Sample ID	Distance (miles)	Level of Contamination
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- N/A and/or data not specified

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Observed Release Factor: 0

PREScore 4.0
AIR PATHWAY LIKELIHOOD OF RELEASE

Gas Migration Potential

GAS POTENTIAL TO RELEASE

Source ID	Source Type	Gas Contain. Value (A)	Gas Source Type Value (B)	Gas Migrtn. Potent. Value (C)	Sum (B+C)	Gas Potential to Rel. Value A(B+C)
- N/A and/or data not specified						

Gas Potential to Release Factor:

0

PREScore 4.0
AIR PATHWAY LIKELIHOOD OF RELEASE

Source: CONTAM SEDS

Gaseous Hazardous Substance	Hazardous Substance Gas Migration Potential Value
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Average of Gas Migration Potential Value for 3 Hazardous Substances: 0.000

Gas Migration Potential Value From Table 6-7: 0

PREScore 4.0
AIR PATHWAY LIKELIHOOD OF RELEASE

Particulate Migration Potential

PARTICULATE POTENTIAL TO RELEASE

Source ID	Source Type	Partic. Contain. Value (A)	Partic. Source Type Value (B)	Partic. Migrtn. Potent. Value (C)	Sum (B+C)	Partic. Potential to Rel. Value A(B+C)
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- N/A and/or data not specified

Particulate Potential to Release Factor:

0

PREScore 4.0
AIR PATHWAY WASTE CHARACTERISTICS

Source: CONTAM SEDS

Particulate Hazardous Substance

PREScore 4.0
AIR PATHWAY WASTE CHARACTERISTICS

Hazardous Substance	Toxicity Value	Gas Mobility Value	Particulate Mobility Value	Toxicity/ Mobility Value
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PREScore 4.0
AIR PATHWAY WASTE CHARACTERISTICS

Hazardous Substances Found in an Observed Release

Sample Observed Release ID	Hazardous Substance	Particulate Toxicity/ Mobility Value	Gas Toxicity/ Mobility Value
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- N/A and/or data not specified

- N/A and/or data not specified

PREScore 4.0

Toxicity/Mobility Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Mobility Factor:	0.00E+00
Sum of Source Hazardous Waste Quantity Values:	0.00E+00
Hazardous Waste Quantity Factor:	0
Waste Characteristics Factor Category:	0

AIR PATHWAY TARGETS

No. Sample ID	Distance (miles)	Level of Contamination
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Potential Contamination

[illegible]

PREScore 4.0
%2d %-20.20s %5.3lf %-10.10s

Nearest Individual Factor

Distance in miles: Potentia

Nearest Individual Value: 4.935386187374927870000000000000000000000000e+257

Resources

Resource Value: 4.935386187345884130000000000000000000000000e+257

PREScore 4.0
%2d %-20.20s %5.3lf %-10.10s

Actual Contamination, Sensitive Environments

Sensitive Environment	Distance (miles)	Sensitive Environment Value
- N/A and/or data not specified		

Actual Contamination, Wetlands

Distance Category	Wetland Acreage	Wetland Acreage Value
- N/A and/or data not specified		

=====
(Sum of Sensitive Environments + Wetlands Values)

PREScore 4.0
 %2d %-20.20s %5.3lf %-10.10s

Potential Contamination, Sensitive Environments

Sensitive Environment	Distance (miles)	Sensitive Environment Value	Distance Weight	Weighted Value/10
24940	0.0000	4.935385843404746150000000000000000000000000e+257		6.966985983755210970000000000000000000000000e+199

- N/A and/or data not specified

Potential Contamination, Wetlands

Distance Category	Wetland Acreage	Wetland Acreage Value	Distance Weight	Weighted Value/10
Total Wetland Acreage:	0.0			
Total Wetland Acreage:	0.0			
Total Wetland Acreage:	0.0			
Total Wetland Acreage:	0.0			
Total Wetland Acreage:	0.0			
Total Wetland Acreage:	0.0			

Sum of Wetland Weighted Acreage Values/10: 5894.000

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Sensitive Environment Potential Contamination Factor: 2.030